

Babu Banarasi Das -National Institute of Technology & Management, Lucknow
B. Tech Third Year (Fifth Semester) 2018-19
Department of Civil Engineering

Quantity Estimation & Management(RCE-503)
Assignment: I (Unit 1)

NOTE-ATTEMPT ALL PARTS

1. Describe the measurements of units for a residential building.
 2. Describe the centre line method for two rooms, sizes- 4000x3000 and 5000x3000.
 3. What is indivisual wall method?
 4. Write the units of plastering, excavation, brick work, RCC work, Lime concrete, Cement Concrete.
 5. Writs the units of wood work in frame and panels.
 6. What is PWD schedule rates?
 7. What is Delhi Schdule rates?
 8. Draw a room size of 3000x3000 with section of foundation.
 9. Work out total material of room size 3000x3000 by centre line method.
 10. Work out total material of room size 3000x3000 by indivisual wall method.
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Assignment: II (Unit 2)

NOTE-ATTEMPT ALL PARTS

1. Describe the rates of analysis, How can work out the cost of material, Labour, Equipment?
 2. What are the general specifications of a residential building?
 3. Describe the legal aspects of contraction.
 4. Describe the laws related to contracts.
 5. What is land Acquisition?
 6. What laws for labour safety and welfare?
 7. Write the type of contracts, Their advantage and disadvantage.
 8. What Element tender preparation?
 9. What Qualifications for Contracts?
 10. Describe the monitoring of contracts.
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Assignment: III (Unit 3)

NOTE-ATTEMPT ALL PARTS

1. Explain in detail about
 - a) Project planning
 - b) Project Scheduling
 - c) Project monitoring
 - d) updating
2. What is project organization?
3. Explain the management system in construction.
4. Explain the elements of a network.
5. Write a detailed note on preparation of net work.
6. What is BAR chart?
7. What is Mile Stone chart?
8. What is PERT in construction management ?
9. What is CPM in construction management?
10. Explain the work break down structure.

****Last Date of Submission**

Section CE 31/CE 32

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Assignment: IV (Unit 4)

NOTE-ATTEMPT ALL PART

1. What is productivity?
 2. What is operational cost?
 3. Write a short note on - a) ownership cost b) Hiring cost
 4. Describe the work motion study.
 5. What is simulation Techniques for resources scheduling?
 6. What is Earth moving Equipment?
 7. What is hauling equipment?
 8. What is Earth compaction equipment?
 9. Describe Hoisting Equipment & conveying Equipment.
 10. Write a detailed note on concrete production equipments & tunneling equipment.
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Assignment: V (Unit 5)

NOTE-ATTEMPT ALL PARTS

1. Describe Cost planning- Direct cost, Indirect cost.
2. Describe Total cost curve, cost slopes.
3. What is time value of money?
4. What is present economy study?
5. Describe the e4quivalence concept for financing of projects.
6. Describe present worth method.
7. Describe Annual Equivelent method.
8. Explain cash flow method.
9. What is Depreciation and type of Depreciation.
10. Describe the break even cost analysis.